



Courtney Ridge Recycling and Disposal Facility Information Sheet

December 2010

History

Courtney Ridge Recycling and Disposal Facility located in Sugar Creek in Jackson County was permitted in 1995 under permit number 0109521. The facility is owned by Republic Services, Inc. The landfill disposal area is approximately 134 acres in size. Landfill gas was originally detected on the landfill property line in 2002. A Notice of Violation was issued on November 28, 2007, due to the detection of gas above regulatory limits. The facility has been working with the department to reduce methane concentrations by modifying the gas extraction system (approved on March 16, 2004, and June 15, 2004), proposing a remediation plan (approved April 26, 2006), and installing temporary gas probes to determine the extent of methane gas migration (approved November 14, 2007).

Methane Migration and Monitoring Wells

In response to ongoing methane migration, the department issued Courtney Ridge Recycling and Disposal Facility a Notice of Violation (NOV) on December 7, 2010. Gas monitoring wells GP-07, GP-09, GP-22, GP-05, and GP-3R had methane concentrations above the regulatory limit of 2.5% by volume during the period of time of November 4, 2009, to November 3, 2010. A map showing the location of the gas monitoring wells is attached. Republic Services, Inc. has been proactive in the response to gas migration at the site. Republic Services, Inc. has placed gas probes along the landfill boundary and has researched possible migration pathways in the area in order to determine the extent of gas migration. Republic Services, Inc. is in the process of investigating to find the gas migration extent.

Summary of Recent Activity at Site

The department has asked Republic Services, Inc. to notify the local fire department and send notification letters to both the fire department and property owners who are within 1,000 feet of any well with elevated methane concentrations. Republic Services, Inc. has also been asked to conduct methane monitoring inside structures and provide methane detectors to those who desire these safety precautions.

If a property owner receives a notification letter from a landfill, they are being sent the letter as a precautionary measure to ensure they are aware of the potential for landfill gas migration in the area. Landfill gas is a term for a mixture of gases generated during the decomposition of waste at a landfill and includes methane (CH₄), carbon dioxide (CO₂) and trace constituents of many

other contaminants. The migration of methane from a landfill is a concern because methane is explosive within a certain range of concentrations between 5 percent and 15 percent by volume. Methane is a colorless and odorless gas. The department encourages property owners or tenants to be aware of the potential for methane migration in the area.

The department's Solid Waste Management Program will continue working with Republic Services, Inc. to develop and implement a remedial system that reduces methane concentrations in monitoring wells at the property boundary and controls it on-site.

For More Information

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